Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claims 2 and 3 are amended.

Listing of Claims:

- 1. (Canceled)
- 2. (Currently Amended) A filter cartridge which is prepared by winding a non-woven fabric strip comprising a thermoplastic fiber around a perforated cylinder in a twill form, said thermoplastic fiber being direction aligned along a machine direction, wherein the non-woven fabric strip satisfies the following equation (B):

$$\log_{10} Y < 3.75 - 0.75 (\log_{10} X)$$
 (B)

wherein X (cm³/cm²/sec) is an airflow amount of the non-woven fabric strip measured in accordance with JIS L 1096-A (1990), and Y (g/m²) is a basis weight thereof; and

wherein the direction aligned fiber non-woven fabric is produced by a spun bonding method.

3. (Currently Amended) A filter cartridge which is prepared by winding a non-woven fabric strip comprising a thermoplastic fiber around a perforated cylinder in a twill form, said thermoplastic fiber being direction aligned along a machine direction, wherein:

in winding in the twill form, a number (W) of winding the non-woven fabric strip from one end to another end in a longitudinal direction of the perforated cylinder is one to 10 per a length of 250 mm in the perforated cylinder;

when a 2-fold value (2W) of the winding number (W) is represented by a fraction having a denominator of two figures or less which is a non-reducible approximate value, the denominator is 4 to 40; and

the direction aligned non-woven fabric is produced by a spun bonding method.

(Canceled)

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- 5. (Previously Presented) The filter cartridge as claimed in claim 2, wherein at least a part of fiber intersections of the non-woven fabric strip is thermally bonded.
- (Previously Presented) The filter cartridge as claimed in claim 2, wherein the non-woven 6. fabric strip has a width of 0.5 to 40 cm.
- (Previously Presented) The filter cartridge as claimed in claim 2, wherein a product of a 7. width (cm) and a basis weight (g/m²) of the non-woven fabric strip is 10 to 200.
- (Previously Presented) The filter cartridge as claimed in claim 2, wherein the non-woven 8. fabric strip has a thickness of 0.02 to 1.20 mm.
- (Previously Presented) The filter cartridge as claimed in claim 2, wherein the non-woven 9. fabric strip is thermal compression bonded by means of a heat embossing roll having an embossing area rate of 5 to 25%.
- 10. (Previously Presented) The filter cartridge as claimed in claim -1-2, wherein the filter material of the filter cartridge has a void rate of 65 to 85%.

11-13 (canceled)

- (Previously Presented) The filter cartridge as claimed in claim 2, wherein the 14. thermoplastic fiber is a composite fiber comprising a low melting resin and a high melting resin, a difference of the melting points between these resins being 10°C or more.
- (Previously Presented) The filter cartridge as claimed in claim 2, wherein the 15. thermoplastic fiber is a fiber formed from at least one thermoplastic resin selected from the group consisting of a polyester resin, a polyamide resin, a polyethylene resin and a polypropylene resin.

- 16. (Withdrawn)
- · 17. (Withdrawn)
- 18 (Canceled)
- 19. (Previously Presented) The filter cartridge as claimed in claim 3, wherein at least a part of fiber intersections of the non-woven fabric strip is thermally bonded.
- 20. (Previously Presented) The filter cartridge as claimed in claim 3, wherein the non-woven fabric strip has a width of 0.5 to 40 cm.
- 21. (Previously Presented) The filter cartridge as claimed in claim 3, wherein a product of a width (cm) and a basis weight (g/m²) of the non-woven fabric strip is 10 to 200.
- 22. (Previously Presented) The filter cartridge as claimed in claim 3, wherein the non-woven fabric strip has a thickness of 0.02 to 1.20 mm.
- 23. (Previously Presented) The filter cartridge as claimed in claim 3, wherein the non-woven fabric strip is thermal compression bonded by means of a heat embossing roll having an embossing area rate of 5 to 25%.
- 24. (Previously Presented) The filter cartridge as claimed in claim 3, wherein the filter material of the filter cartridge has a void rate of 65 to 85%.
- 25 (Canceled)
- 26. (Previously Presented) The filter cartridge as claimed in claim 3, wherein the thermoplastic fiber is a composite fiber comprising a low melting resin and a high melting resin, a difference of the melting points between these resins being 10°C or more.

- 27. (Previously Presented) The filter cartridge as claimed in claim 3, wherein the thermoplastic fiber is a fiber formed from at least one thermoplastic resin selected from the group consisting of a polyester resin, a polyamide resin, a polyethylene resin and a polypropylene resin.
- 28 (Canceled)